

05-14-2001

ATTORNEY DOCKET NO: M-9302 US



U.S. DEPARTMENT OF COMMERCE

EET

PATENT AND TRADEMARK OFFICE

101716116

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name of conveying party(ies):

(a) James A. Fair
 (b) Wilbert Van den Hoek
 (c) Nerissa Taylor

5-30-01

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: April 30, 2001

2. Name and address of receiving party(ies):

Name: **Novellus Systems, Inc.**
 Street Address: **3970 North First Street**
 City: **San Jose** State **CA** Zip **95134**
 Country: **United States of America**

JC672 U.S. PTO
09/849075
05/03/01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 30, 2001

A. Patent Application No.(s) -

Title: **Sequential Ion, UV, and Electron Induced Chemical Vapor Deposition**

B. Patent No.(s)

Additional numbers attached?

Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Carmen C. Cook, Esq.Internal Address: SKJERVEN MORRILL MacPHERSON LLPStreet Address: 25 METRO DRIVE, SUITE 700City SAN JOSE State CA Zip 951106. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.00

Authorized to be charged to Deposit Account 19-2386
 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

DO NOT USE THIS SPACE

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Carmen C. Cook
 Name of Person Signing

42,433

Carmen C. Cook

Signature

5/3/01
 Date

Total number of pages comprising cover sheet: 1

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

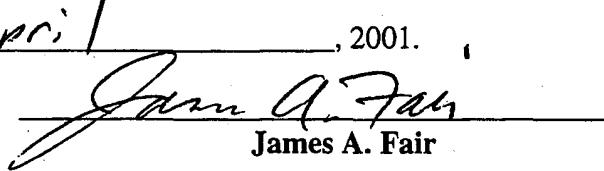
<u>James A. Fair</u>	of <u>Mountain View, California</u>
<u>Wilbert van den Hoek</u>	of <u>Saratoga, California</u>
<u>Nerissa Taylor</u>	of <u>Milpitas, California</u>

hereby sell, assign and transfer to Novellus Systems, Inc., a California corporation, having a place of business at **4000 North First Street, San Jose, CA 95134**, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

Sequential Ion, UV, and Electron Induced Chemical Vapor Deposition

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

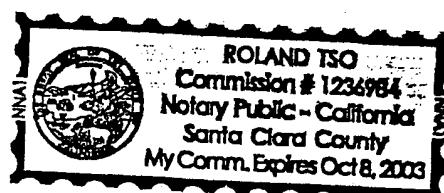
Executed this 30 day of April, 2001.



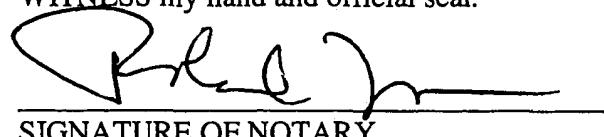
James A. Fair

State of California)
)
) ss.
County of Santa Clara)

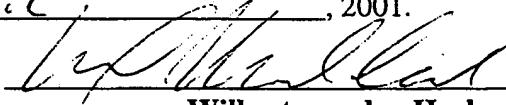
On April 30, 2001 before me, Roland Tso, Notary Public
personally appeared James A. Fair personally known to
me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)
is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the
same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.



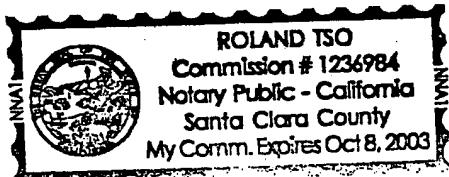
WITNESS my hand and official seal.



SIGNATURE OF NOTARY

Executed this 30 day of April, 2001.
Wilbert van den HoekState of California)
)
 ss.
County of Santa Clara)

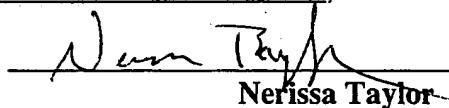
On April 30, 2001 before me, Roland Tso, Notary Public
 personally appeared Wilbert van den Hoek personally known to
 me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)
 is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the
 same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
 instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the
 instrument.



WITNESS my hand and official seal.



SIGNATURE OF NOTARY

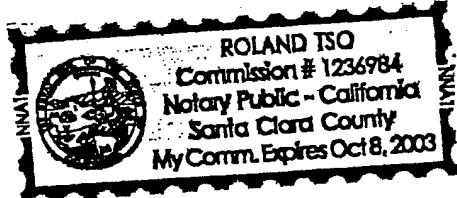
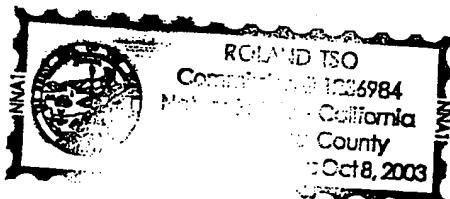
Executed this 30 day of April, 2001.
Nerissa TaylorState of California)
)
 ss.
County of Santa Clara)

On April 30, 2001 before me, Roland Tso, Notary Public
 personally appeared R.D.T. Nerissa Taylor personally known to
 me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)
 is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the
 same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
 instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the
 instrument.

WITNESS my hand and official seal.



SIGNATURE OF NOTARY



RECORDATION FORM COVER SHEET

PATENTS ONLY

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

JC872 U.S. PTO
09/04/01
05/03/01

1. Name of conveying party(ies):		2. Name and address of receiving party(ies):	
(a) James A. Fair (b) Wilbert Van den Hoek (c) Nerissa Taylor		Name: Novellus Systems, Inc. Street Address: 3970 North First Street City: San Jose State CA Zip 95134 Country: United States of America	
Additional name(s) of conveying party(ies) attached?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Nature of Conveyance:		Name and address of receiving party(ies):	
<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		Name: Street Address: City: _____ State: _____ Zip: _____ Country: Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Execution Date: April 30, 2001			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application, the execution date of the application is: April 30, 2001			
A. Patent Application No.(s) -		B. Patent No.(s)	
Title: Sequential Ion, UV, and Electron Induced Chemical Vapor Deposition			
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1	
Name: Carmen C. Cook, Esq. Internal Address: SKJERVEN MORRILL MacPHERSON LLP Street Address: 25 METRO DRIVE, SUITE 700 City SAN JOSE State CA Zip 95110		7. Total fee (37 CFR 3.41): \$40.00	
		<input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 19-2386 <input checked="" type="checkbox"/> Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid	
DO NOT USE THIS SPACE			
8. Statement and signature.			
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
Carmen C. Cook 42,433 Name of Person Signing		<u>Carmen Cook</u> Signature	
		<u>5/3/01</u> Date	
Total number of pages comprising cover sheet: 1			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: FAIR, et al

Attorney Docket No.:
NOVLP067/NVLS-000376

Application No.: 09/849,075

Examiner: MEEKS, TIMOTHY
HOWARD

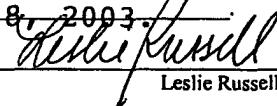
Filed: 05/03/2001

Group: 1762

Title: SEQUENTIAL ION INDUCED
CHEMICAL VAPOR DEPOSITIONCERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the
United States Postal Service as First Class Mail to: Commissioner for
Patents, Washington, DC 20231 on

May 8, 2003

Signed: 

Leslie Russell

POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PREVIOUS POWERS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Novellus Systems, Inc., ("assignee"), a California corporation having a place of business 3970 North First Street, San Jose, CA 95134, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto, and understands and believes that this assignment document has been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and hereby appoints the law firm of Beyer Weaver & Thomas, LLP and all practitioners who are associated with the Customer Number 022434 as principal

attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence for this application as follows:

Customer Number 022434
BEYER WEAVER & THOMAS, LLP
P.O. Box 778
Berkeley, CA 94704-0778



Please direct any calls to Jeffrey K. Weaver (510) 843-6200.

Assignee of Interest:

Novellus Systems, Inc.
3970 North First Street, San Jose, CA 95134

Date MAY 06 2003

A handwritten signature in black ink, appearing to read 'Wilbert G. M. van den Hoek'.

Name: Wilbert G. M. van den Hoek
Title: Chief Technical Officer and Executive Vice President

**DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

Sequential Ion, UV, and Electron Induced Chemical Vapor Deposition

which (check) is attached hereto.
 and is amended by the Preliminary Amendment attached hereto.
 was filed on as Application Serial No.
 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby appoint the following practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158); Jon Hallman (42,622); Robert Strawbrich (36,692); Rita Wisor (41,382); Gregory Powell (47,005); Mark E. Schmidt (47,063); Rachel V. Leiterman (46,868); Joseph K. Hollinger (40,649); K. Alison de Runtu (37,119); James Hsue (29,545); Philip Yau (32,892); Gerald Parsons (24,486); Michael Cleveland (46,030); Brian A. Schar (45,076); Jack Musgrove (31,986); Abdul R. Zindani (46,901); William L. Robinson (47,032); D'Ann Rifai (47,026); Gergely T. Zimanyi (45,754); and Roland Tso (39,403).

Please address all correspondence and telephone calls to:

Carmen C. Cook
SKJERVEN MORRILL MacPHERSON LLP
25 Metro Drive, Suite 700
San Jose, California 95110-1349

Telephone: 408-453-9200
Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint inventor: James A. Fair
Inventor's Signature: James A. Fair Date: 4/29/01
Residence: Mountain View, California
Post Office Address: 2417 Laure Lane Citizenship: United States
Mountain View, CA 94043

Full name of second joint inventor: Wilbert van den Hoek
Inventor's Signature: Wilbert van den Hoek Date: 4/30/01
Residence: Saratoga, California
Post Office Address: 15470 Bohlman Road Citizenship: Dutch
Saratoga, CA 95070

Full name of third joint inventor: Nerissa Taylor
Inventor's Signature: Nerissa Taylor Date: 4/30/01
Residence: Milpitas, California
Post Office Address: 513 Penitencia Street, Apt. 4 Citizenship: United States
Milpitas, CA 95035



M-9302 US
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 26, 2001

PTAS

SKJERVEN MORRILL MACPHERSON LLP
CARMEN C. COOK, ESQ.
25 METRO DRIVE
SUITE 700
SAN JOSE, CA 95110

RECD BY
PTAS

101716116A

JUL 31 2001

SKJERVEN MORRILL MACPHERSON

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/03/2001

REEL/FRAME: 011780/0504
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FAIR, JAMES A.

DOC DATE: 04/30/2001

ASSIGNOR:

VAN DEN HOEK, WILBERT

DOC DATE: 04/30/2001

ASSIGNOR:

TAYLOR, NERISSA

DOC DATE: 04/30/2001

ASSIGNEE:

NOVELLUS SYSTEMS, INC.
3970 NORTH FIRST STREET
SAN JOSE, CALIFORNIA 95134

SERIAL NUMBER: 09849075

FILING DATE: 05/03/2001
ISSUE DATE:

PATENT NUMBER:

ATTORNEY: DES/ccc

ACTION: CK Priority DUE: 9-3-01
ACTION: FF Rem DUE: 2-3-02
ACTION: FF Due DUE: 5-3-02
DOCKETED BY: RD DATE: 8-20-01
FORM LETTER: YES/NO

Status 5-3-03

011780/0504 PAGE 2

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



101716116B

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

JULY 26, 2001

TO: OFFICE OF FINANCE
FROM: ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 192386
PROPERTY NUMBER: 09849075

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES:	FEE CODE:
RECORDING FIRST MARK	481
RECORDATION SECOND AND	482
SUBSEQUENT MARK IN SAME DOCUMENT	
LABOR CHARGES FOR SERVICES PER HOURS	484
OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, AGREEMENT, OTHER PAPER, PER PROPERTY	581
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LABOR CHARGES FOR SERVICES PER HOUR 584
(\$30) OR FRACTION THEREOF
UNSPECIFIED OTHER SERVICES 585